

# Work Order ID 119217

Tuesday, May 13, 2014 11:48:24 AM

**\*119217\***

Page 1

Item ID: D5043-3 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: PRELIM Stop **\*NS2\***  
 Item Name: Floating Hinge  
 Start Date: 5/13/2014 Start Qty: 16.00 **\*16\*** Cust Item ID: *Rev A 5/14/12*  
 Required Date: 5/22/2014 Req'd Qty: 16.00 **\*16\*** Customer: **PRELIMINARY ISSUE**  
 Reference:

Approvals: Process Plan: *mf* Date: *14-5-13* Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_  
 Run Start **\*NR1\*** Stop **\*NR2\*** *14.05.13*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
D5043	<i>Rev A</i>	<i>14/5/13</i>	<b>DAS</b>	<b>27</b>	<b>10</b>				
100	Cut blanks as per folio	0.00							

**\*100\***

Bandsaw Memo 0.00  
 Jeaspa Bandsaw CUT BLANK AT 2.00"

**DAS**  
**02** *CT 14-05-15* **16**  
**9-89**

110 0.00

**\*110\***

HAAS 1 Memo 0.00  
 HAAS CNC vertical machine #1 MACHINE AS PER DWG & FOLIO FB290  
 FOLIO REV: *AA*  
 DWG REV: *A*

**DAS**  
**25** *16* **14-5-20**  
**9-89**

DEBURR

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube <input type="checkbox"/></td> <td style="width:15%;">Crosstube <input type="checkbox"/></td> <td style="width:15%;">Water Jet <input type="checkbox"/></td> <td style="width:15%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY			
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

# Work Order ID 119217

Tuesday, May 13, 2014 11:48:25 AM

**\*119217\***

Page 2

Item ID: D5043-3 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: PRELIM Stop **\*NS2\***  
 Item Name: Floating Hinge  
 Start Date: 5/13/2014 Start Qty: 16.00 **\*16\*** Cust Item ID:  
 Required Date: 5/22/2014 Req'd Qty: 16.00 **\*16\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. DAS Stamp <b>25</b> 14-5-20
120 <b>*120*</b> QC Quality Control	QC2- Inspect parts off machine FAI/FAIB  Memo	0.00 0.00 4/15/28				16			9-88 14/05/19
130 <b>*130*</b> QC Quality Control	QC8- Inspect parts - second check  Memo	0.00 0.00 68-6 27 DAS							
140 <b>*140*</b> Packaging Packaging	Identify as per dwg & Stock Location: _____  Memo	0.00 0.00 68-6 27 DAS 4/15/28				16			

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other
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# Work Order ID 119217

Tuesday, May 13, 2014 11:48:25 AM

**\*119217\***

Page 3

Item ID: D5043-3 Accept **\*N9000040100\*** Setup Start **\*NS1\***  
 Revision ID: PRELIM Stop **\*NS2\***  
 Item Name: Floating Hinge  
 Start Date: 5/13/2014 Start Qty: 16.00 **\*16\*** Cust Item ID:  
 Required Date: 5/22/2014 Req'd Qty: 16.00 **\*16\*** Customer:  
 Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC21 - Final Inspection - Work Order Release	0.00							
<b>*150*</b>									
QC	Memo	0.00							
Quality Control									

**POSITIVE RECALL**

EFFECTIVE 1405-28 AUTH W  
 RELEASED 5 DATE 14/05/28

Release Dwg on 1405-28  
 Rev A 14/5/28

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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# Picklist Print

Tuesday, May 13, 2014 11:48:24 AM

Page 1

Work Order ID: 119217

\*119217\*

Parent Item: D5043-3

\*D5043-3\*

Parent Item Name: Floating Hinge

Start Date: 5/13/2014

Required Date: 5/22/2014

Start Qty: 16.00

Required Qty: 16.00

Comments: IPP REV A RQ VERIFIED BY DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MDEL RINB0.750X1.00 0		Purchased		No			f	40.9550		3			

\*MDFI RINB0 750X1 000\*

Delrin Bar

\*\*

DAS  
02  
9-89

14 05-15

Location

Loc Qty

Loc Code

MAT

40.955

m128113

40.955

x3

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

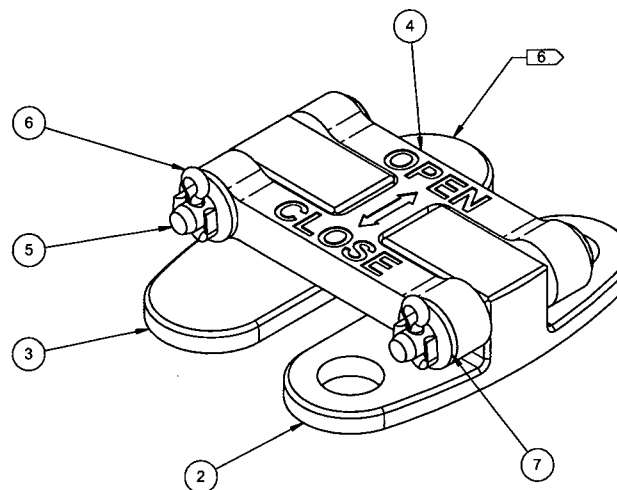
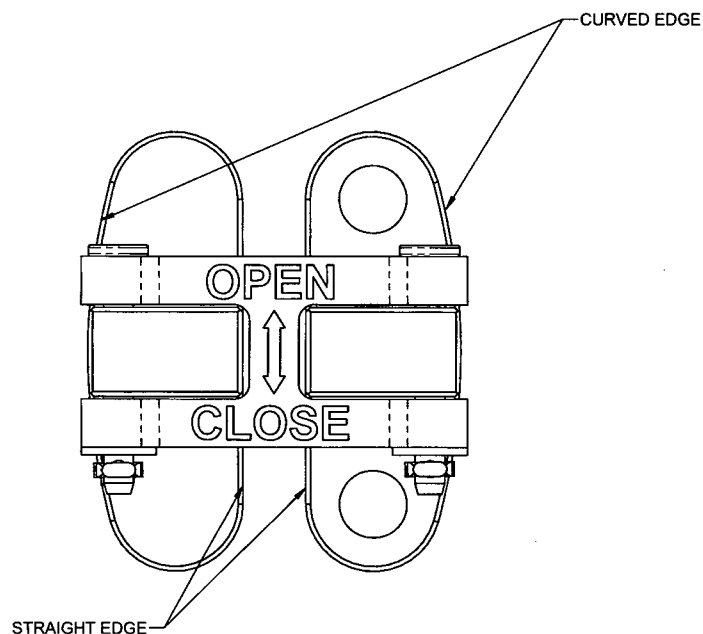
Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Design											
Doc/Data											
Equip/Tooling											
Handling/Pre											
Material											
Operator											
Offset/Setup											
Process											
Supplier											
Training											
Transport											
Unapproved											
<b>FAULT CATEGORY</b>											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function			<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence			<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other		



8 7 6 5 4 3 2 1

ITEM	QTY -041	P/N	DESCRIPTION
1	X	D5043-041	FUEL CAP HINGE ASSEMBLY
2	1	D5043-1	FIXED HINGE
3	1	D5043-3	FLOATING HINGE
4	1	D5043-5	H-LINK
5	2	MS20392-1R27	PIN
6	2	MS24665-151	COTTER PIN
7	2	NAS1149DN432J	WASHER



CHK.  
#119217  
14-5-13

**D5043-041 FUEL CAP HINGE ASSEMBLY**

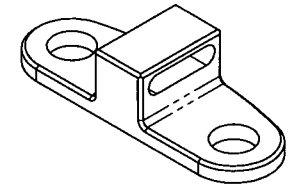
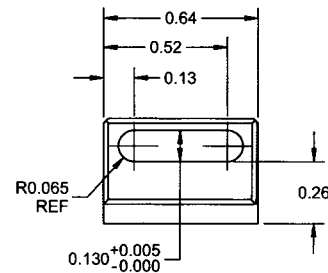
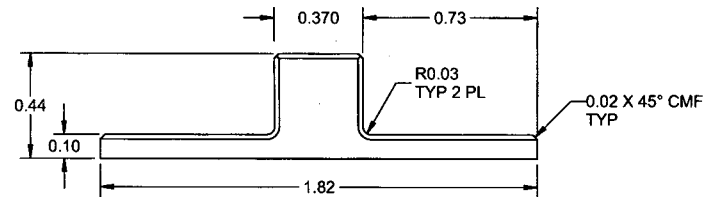
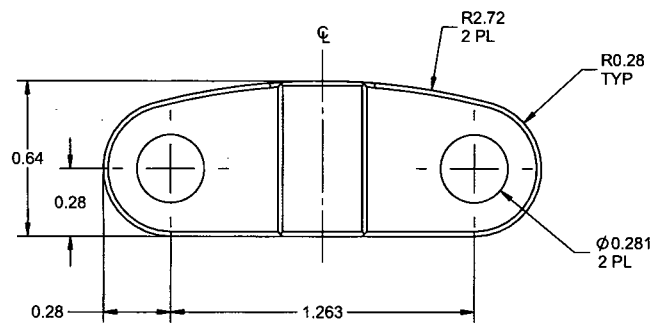
**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7
- 7) WEIGHT: 0.03 lbs

A	NEW ISSUE	AK	14.01.14
REV.	DESCRIPTION	BY	DATE
DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	AK		
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JLM	<b>D5043</b>	SHEET 1 OF 4
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>FUEL CAP HINGE ASSY</b>	NTS
DATE	14.01.14	COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

APPROVED

8 7 6 5 4 3 2 1



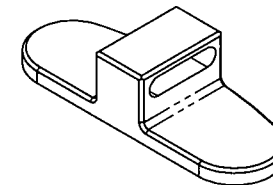
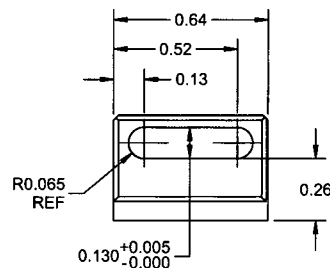
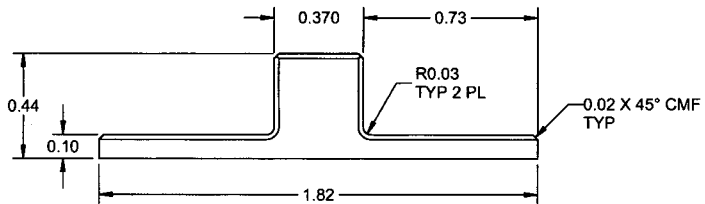
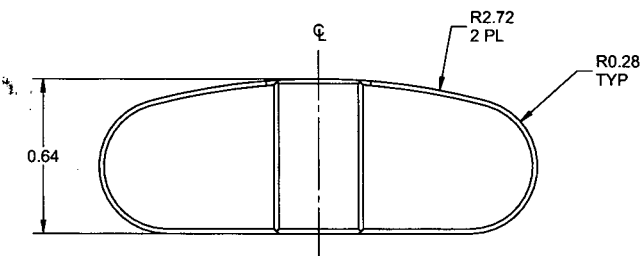
### D5043-1 FIXED HINGE

#### NOTES:

- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL  
REF DART SPEC M-DELRIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

APPROVED

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	AK		
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JLM	<b>D5043</b>	SHEET 2 OF 4
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>FUEL CAP HINGE ASSY</b>	NTS
DATE	14.01.14	<small>COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	



# **D5043-3 FLOATING HINGE**

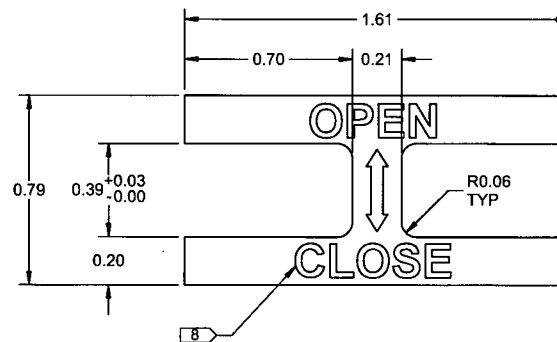
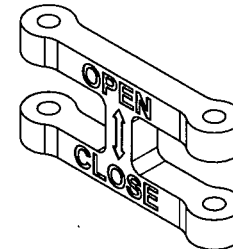
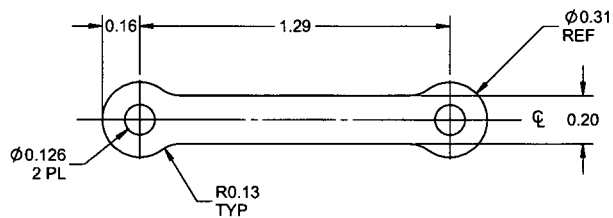
## **NOTES:**

- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL  
REF DART SPEC M-DELRIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

APPROVED

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	AK		
CHECKED	VS	DRAWING NO. <b>D5043</b>	REV. A
MFG. APPR.	JLM	SHEET 3 OF 4	
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>FUEL CAP HINGE ASSY</b>	NTS
DATE	14.01.14	<small>COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

# 119217



**D5043-5 H-LINK**

#119217

**NOTES:**

- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL  
REF DART SPEC M-DELRIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs
- 8) ENGRAVE "CLOSE, OPEN & ARROW" USING 0.14 HIGH LETTERS TO MAX DEPTH OF 0.010

APPROVED

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	AK		
CHECKED	VS	DRAWING NO. <b>D5043</b>	REV. A SHEET 4 OF 4
MFG. APPR.	JLM	TITLE	SCALE
APPROVED	MP	<b>FUEL CAP HINGE ASSY</b>	
DE APPR.	DS		
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## FIRST ARTICLE INSPECTION CHECKLIST

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

# Receiving Report

Date: 14/01/31

Batch No: 20128113

Supplier: SABIC

Dart P/O: 22699

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐ N/A ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC18 Inspection OK 14/02/03 N/A ☒  
 Work Order                      N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) QC12

Production/Admin: 14/01/31  
 Date                       
 Received/Costing                       
 Initial                     

Location

## Page 1 of 1

All amounts are calculated in domestic currency.

All Item ID/GL/WOs    All Rec. Employees    All Currencies

Grouped by Vendor ID

[illegible]

سابك SABIC POLYMERSHAPES  
sabic

Report Date: 28-JAN-2014 12:57

**Pick Slip**

Print Copy# 1

Page: 1 of 2

Pick Slip Page: 1 of 2

Ship to: DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY, ON, K6A 1K7, CA  
Telephone - 1 (613) 6325200

Picked By: \_\_\_\_\_  
Converted By: \_\_\_\_\_  
Inspected By: \_\_\_\_\_  
Packed By: \_\_\_\_\_  
Ship Confirm By: \_\_\_\_\_

Order Number: 99003609  
Delivery Number: 18495863  
Batch Name: 2883513  
Order Type: OTW SALES  
Customer A/C No: DARAER  
PO Number: 22699  
Requisition No: \_\_\_\_\_  
Requestor: \_\_\_\_\_  
Planned Carrier: TST OVERLAND EXPRESS\_TSTO\_L  
Freight Terms: Collect Freight  
Customer Service Rep: DIXON, WADE  
Warehouse: OTW

Number Item	Qty Requested	Ship Set	Customer RSD	Promise Date	Unit	Qty Picked	Actual Qty Picked	Subinventory	Lot Number	Location
1.1 99644998 TEFLON STRIPS 2" THICK X 2" WIDE X 48" LONG Customer will take delivery before the requested ship date	6	1	27-JAN-14	27-JAN-14	EA	6	6	OTTAWA		0.0.0.0
2.1 65244104 ACT RD 1.250 BK CP   ACETRON GP Customer will take delivery before the requested ship date	24	1	24-JAN-14	24-JAN-14	FT	24	24	OTTAWA		0.0.0.0
3.1 65287104 ACT RD 1.500 BK CP   ACETRON GP Customer will take delivery before the requested ship date	8	1	24-JAN-14	24-JAN-14	FT	8	8	OTTAWA		0.0.0.0
4.1 55188104-C ACT SH 0.750 1.00"x48" BK CP   ACETRON GP Special Inst: 'CutSize_(CT Item)' Customer will take delivery before the requested ship date Process Type: SAW / Cut Job	12	1	24-JAN-14	24-JAN-14	EA	12	12	OTTAWA		0.0.0.0

Time Taken: \_\_\_\_\_ Hrs

CUSTOMER ORDER NOTES: (DART AEROSPACE LTD)



SABIC  
Innovative  
Plastics™

سابك  
sabic

---

## CERTIFICATE OF COMPLIANCE

SOLD TO: Dart Aerospace.

DATE: Jan. 28, 2014

YOUR PURCHASE ORDER: 22699

SABIC INVOICE NO:

SABIC SALES ORDER NO: 99003609

SABIC POLYMERSHAPES LINE ITEM: 04

QUANTITY: Twelve (12)

DESCRIPTION: Acetron GP Black Strips .750" x 1.00" x 48"

PART NUMBER: 55188104-C

The above Acetron GP is manufactured in accordance with ASTM D 6100.

AUTHORIZED REPRESENTATIVE SIGNATURE

*Wade Dixon*

Wade Dixon



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22699**

Purchase Order Date 1/20/2014  
PO Print Date 1/20/2014

Page Number 2 of 2

**Order From :**

VC-GEPO01

SABIC POLYMERSHAPES  
1290 OLD INNES ROAD  
UNIT 713  
OTTAWA, ON K1B 5M6  
CA

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 267 1575

**Ship To Contact**

**Ship To Phone**

**Ship Via:** TST ground

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

3	MDELNR1.500	Inventory	1/24/2014	8.00		\$7.83	\$62.64
			Yes	f			
			1/24/2014				

MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL

**Line Total:** \$62.64

4	MDELNRB0.750X1.000	Delrin Bar	1/24/2014	12.00		\$4.71	\$56.46
			Yes	f			
			1/24/2014				

MATERIAL: AS PER DELRIN II 150E OR ACETRON GP ACETAL

**Line Total:** \$56.46

5	MDELNRB1.000X04.000	Delrin Bar	1/24/2014	16.00		\$41.62	\$665.92
			Yes	Each			
			1/24/2014				

MATERIAL: AS PER DELRIN II 150E OR ACETRON GP ACETAL

**Line Total:** \$665.92

**PO Total:** \$3,218.74

**Note:** Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required **YES** NO

PST# 6122-5207

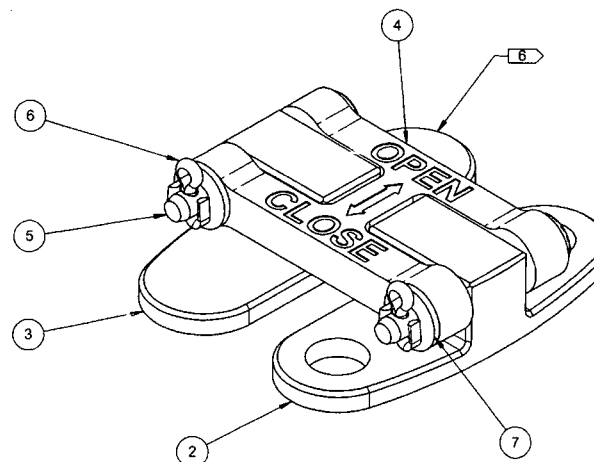
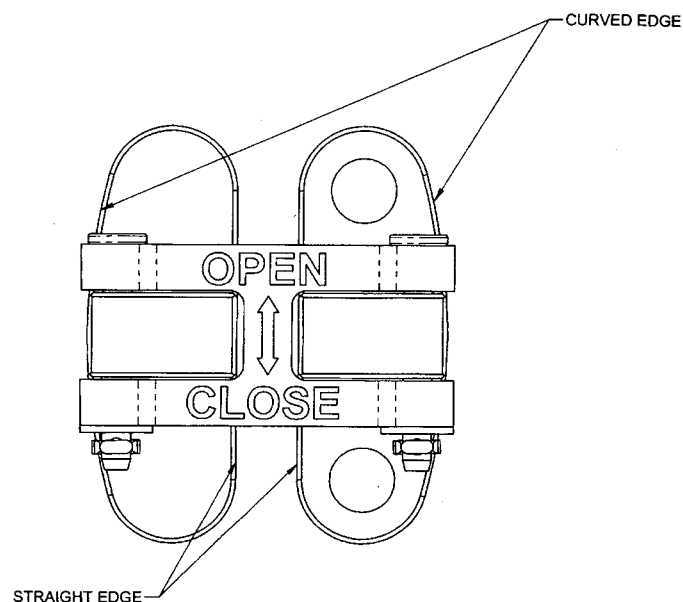
Change Nbr:

1

Change Date: 1/20/2014

8 7 6 5 4 3 2 1

ITEM	QTY	P/N	DESCRIPTION
1	X	D5043-041	FUEL CAP HINGE ASSEMBLY
2	1	D5043-1	FIXED HINGE
3	1	D5043-3	FLOATING HINGE
4	1	D5043-5	H-LINK
5	2	MS20392-1R27	PIN
6	2	MS24665-151	COTTER PIN
7	2	NAS1149DN432J	WASHER



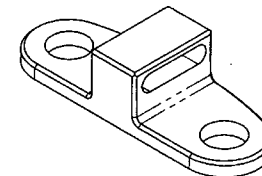
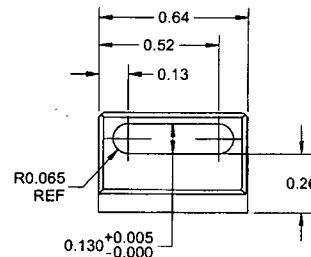
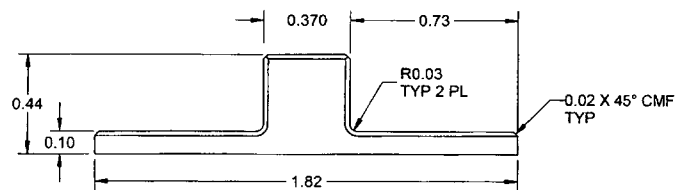
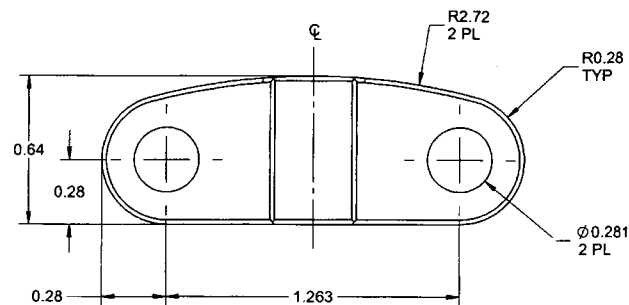
**D5043-041 FUEL CAP HINGE ASSEMBLY**

**RELEASED**  
2014-05-26

- NOTES:  
1) MATERIAL: N/A  
2) FINISH: N/A  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: IDENTIFY PER QSI 044 6.7  
7) WEIGHT: 0.03 lbs

A	NEW ISSUE	AK	14.01.14
REV.	DESCRIPTION	BY	DATE
DESIGN	AK	DART AEROSPACE USA, INC.	
DRAWN	AK	KENT, WA	
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JLM	D5043	SHEET 1 OF 4
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	FUEL CAP HINGE ASSY	NTS
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8 7 6 5 4 3 2 1



# **D5043-1 FIXED HINGE**

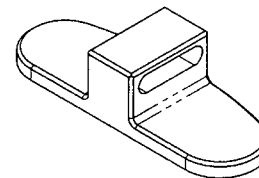
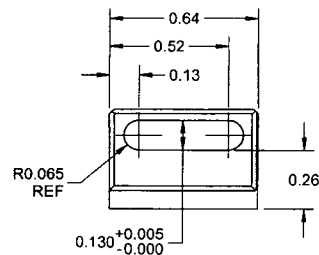
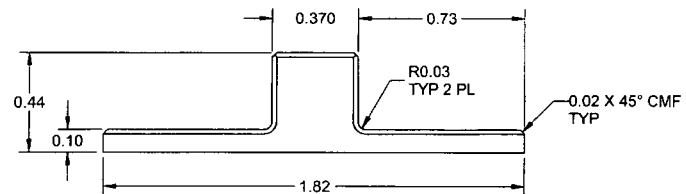
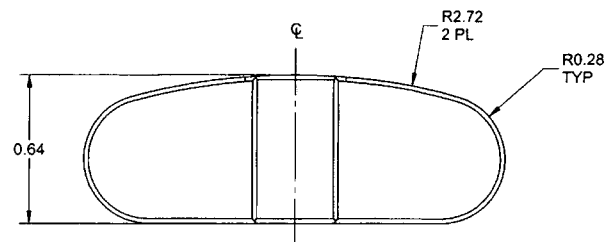
## **NOTES:**

- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL  
REF DART SPEC M-DELIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

APPROVED

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	AK		
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JLM	<b>D5043</b>	SHEET 2 OF 4
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>FUEL CAP HINGE ASSY</b>	NTS
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**RELEASED**  
2014-05-26  
WPD



# **D5043-3 FLOATING HINGE**

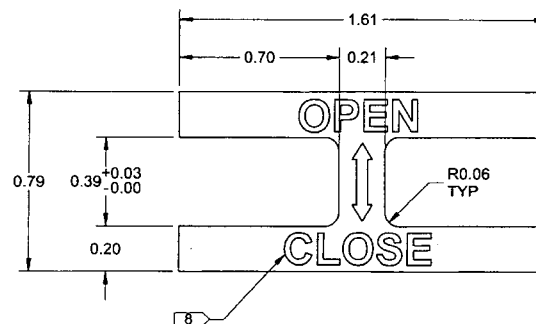
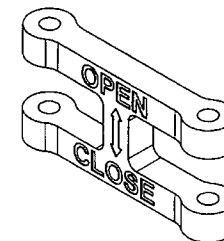
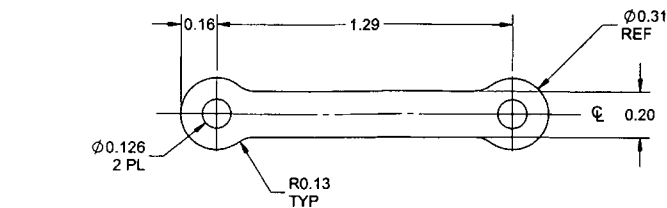
## **NOTES:**

- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL  
REF DART SPEC M-DELIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs

APPROVED

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b> KENT, WA	
DRAWN	AK		
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JLM	<b>D5043</b>	SHEET 3 OF 4
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>FUEL CAP HINGE ASSY</b>	NTS
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**RELEASED**  
2014-05-26



**D5043-5 H-LINK**

**RELEASED**  
2014-05-26  
NN

**NOTES:**

- 1) MATERIAL: BLACK DELRIN II 150E OR ACETRON GP ACETAL  
REF DART SPEC M-DELRIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.01 lbs
- 8) ENGRAVE "CLOSE, OPEN & ARROW" USING 0.14 HIGH LETTERS TO MAX DEPTH OF 0.010

APPROVED

DESIGN	AK	<b>DART AEROSPACE USA, INC.</b>	
DRAWN	AK	KENT, WA	
CHECKED	VS	DRAWING NO.	REV. A
MFG. APPR.	JLM	<b>D5043</b>	SHEET 4 OF 4
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>FUEL CAP HINGE ASSY</b>	NTS
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